Massachusetts HIV/AIDS Data Fact Sheet



What is the geographic distribution of the HIV/AIDS epidemic in Massachusetts?

December 2011

Introduction

This fact sheet provides a summary of the geographic distribution of HIV/AIDS in Massachusetts. Table 1 identifies the 15 localities with the highest average annual rate of HIV infection diagnosis. Table 2 identifies the 15 localities with the highest prevalence of HIV/AIDS per 100,000 population.

Examination of HIV infection diagnosis rates and rates of people living with HIV/AIDS within cities and towns reveals disparities that might otherwise be hidden by population size. For example, although the *number* of HIV diagnoses in Provincetown is much smaller than the number of cases in Boston or other large Massachusetts cities, the *rate* of HIV infection diagnoses is much higher since the total year-round population of Provincetown is very small. Therefore, a high *rate* of HIV infection or HIV/AIDS prevalence does not always indicate a high *number* of cases.

The numbers of people living with HIV/AIDS, and diagnosed and reported with HIV infection within the three-year period 2007 to 2009 are presented in summary tables (3–8) for each Health Service Region and for the 17 cities that were among the top fifteen by one of the following indicators:

- 1) the number of average annual HIV infection diagnoses from 2007 to 2009; or,
- 2) the number of people living with HIV/AIDS.

These analyses provide a point of reference for comparison to the statewide HIV/AIDS epidemic. It must be noted that the geographic information presented in these analyses reflect residence at the *time of report or diagnosis* and **not necessarily** *current residence*. Therefore, the data may not represent the current distribution of people living with HIV/AIDS.

Recent changes to the presentation of Massachusetts HIV/AIDS surveillance data

Effective January 1, 2011, the Massachusetts Department of Public Health (MDPH), Bureau of Infectious Diseases, HIV/AIDS fact sheets, epidemiologic reports and other HIV data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed while residing in another state before being reported in Massachusetts. As of January 1, 2011, this resulted in the removal of 2,297 HIV/AIDS cases, of which 739 have died and 1,558 were living. These persons living with HIV/AIDS may currently reside and receive care in the Commonwealth. The total number of persons living in Massachusetts with HIV/AIDS, irrespective of location of diagnosis, is the basis for MDPH service planning. This change is partially a result of increased activities required by the Centers for Disease Control and Prevention (CDC) for de-duplication among states in an effort to identify cases that are counted multiple times in the National HIV/AIDS surveillance system. The cases are assigned to the state that reports the earliest date of AIDS diagnosis, if available. If the case has not progressed to AIDS, the case is assigned to the state with the earliest HIV diagnosis date. Please note that all previous HIV/AIDS fact sheets, data reports and presentations include cases that may have been first diagnosed in another state.

Also effective January 1, 2011, the Massachusetts Department of Public Health (MDPH) HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to eliminate the presumed heterosexual exposure mode category for males; those cases have been reassigned to the no identified risk (NIR) exposure mode category. The presumed heterosexual exposure mode category was used with the intention of identifying HIV exposure mode for females when sex with males is the only reported risk factor, there is no evidence of current or past injection drug use (IDU), and behavioral risk and HIV status information about male sexual partners are unknown. Twenty-nine percent of females living with HIV/AIDS and 41% of recent HIV diagnoses among females are reported in the presumed heterosexual exposure mode category. The application of the presumed heterosexual exposure mode category to males is overly inclusive in that female to male HIV transmission is biologically less probable, and there are alternate exposure modes that are possible for males, including sex with other men (MSM) or IDU. The CDC reports males diagnosed with HIV/AIDS who report sex with females as their only risk factor, without corresponding partner risk or HIV status information, in the NIR exposure mode category. This revision to report presumed heterosexual male HIV/AIDS cases as NIR will bring Massachusetts HIV/AIDS case reporting for males in alignment with CDC standards. The MDPH will maintain presumed heterosexual and heterosexual exposure mode categories for females.

Table 1. Fifteen cities/towns¹ in Massachusetts² with the highest rate of HIV infection diagnosis: average annual rate per 100,000, 2007–2009³ and average number per year

Rank	City/Town	Average Rate	Average
		per 100,000	Number
1	Provincetown	348.4	12.0
2	Boston	30.5	170.3
3	Everett	21.6	8.0
4	Lawrence	20.8	17.0
5	Brockton	19.3	19.3
6	Holyoke	18.7	7.7
7	Malden	17.6	10.0
8	Somerville	16.8	12.7
9	Worcester	16.7	30.0
10	Springfield	16.2	25.3
11	Waltham	15.7	9.3
12	Cambridge	15.4	15.7
13	Framingham	15.2	10.0
14	New Bedford	14.5	13.7
15	Lowell	14.2	15.0

Data Source: MDPH HIV/AIDS Surveillance Program, data as of 1/1/11

¹ Cities with fewer than 20 HIV infection diagnoses from 2007–2009 are excluded.
² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

³ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS

diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in

Table 2. Fifteen cities/towns¹ in Massachusetts with the highest rate of people living with HIV/AIDS per 100,000 on **December 31, 2010**

Rank	City/Town	Rate per	
		100,000	Number
1	Provincetown	9,349.6	322
2	Boston	933.1	5211
3	Holyoke	732.6	301
4	Springfield	656.2	1026
5	Chelsea	536.2	183
6	Worcester	509.9	917
7	Lawrence	491.5	401
8	New Bedford	487.8	461
9	Lowell	452.0	478
10	Somerville	429.9	324
11	Malden	426.6	242
12	Lynn	412.2	380
13	Cambridge	407.8	414
14	Everett	407.0	151
15	Brockton	405.5	407

Data Source: MDPH HIV/AIDS Surveillance Program, data as of 1/1/11

¹ Cities with fewer than 20 people living with HIV/AIDS on December 31, 2010 are excluded.
² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

Table 3. People diagnosed with HIV infection from 2007–2009¹ and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Boston Health Service Region, Massachusetts²

	HIV Infection Diagnoses		PLV	NH/A
Gender:	N	%	N	%
Male	432	80%	4,295	76%
Female	107	20%	1,330	24%
Place of Birth:	N	%	N	%
US	363	67%	3,884	69%
Puerto Rico/US Dependency ³	30	6%	347	6%
Non-US	146	27%	1,394	25%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	211	39%	2,311	41%
Black (non-Hispanic)	214	40%	2,164	38%
Hispanic/Latino _	103	19%	1,060	19%
Other/Undetermined ⁴	11	2%	90	2%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	269	50%	2,667	47%
Injection Drug Use (IDU)	40	7%	812	14%
MSM/IDU	19	4%	186	3%
Heterosexual Sex	50	9%	692	12%
Other	4	1%	107	2%
Total Undetermined	157	29%	1,161	21%
Presumed Heterosexual Sex ⁵	41	8%	435	8%
Undetermined ⁶	116	22%	726	13%
Age:	N	%	N	%
	At Diagno	osis		ber 31, 2010
Under 13	3	1%	13	<1%
13 to 19	8	1%	44	1%
20 to 24	54	10%	109	2%
25 to 29	74	14%	198	4%
30 to 34	68	13%	311	6%
35 to 39	73	14%	534	9%
40 to 44	82	15%	955	17%
45 to 49	73	14%	1,231	22%
50 to 54	52	10%	1,048	19%
55 to 59	25	5%	655	12%
60+	27	5%	527	9%
Total	539	100%	5,625	100%

¹Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

³ Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

⁴Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

⁵ Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

Table 4. People diagnosed with HIV infection from 2007–2009¹ and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Central Health Service Region, Massachusetts²

	HIV Infection	Diagnoses	PLV	VH/A
Gender:	N	%	N	%
Male	95	62%	953	62%
Female	58	38%	582	38%
Place of Birth:	N	%	N	%
US _	83	54%	944	61%
Puerto Rico/US Dependency ³	20	13%	299	19%
Non-US	50	33%	292	19%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	60	39%	661	43%
Black (non-Hispanic)	52	34%	356	23%
Hispanic/Latino _	37	24%	493	32%
Other/Undetermined ⁴	4	3%	25	2%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	49	32%	349	23%
Injection Drug Use (IDU)	20	13%	473	31%
MSM/IDU	3	2%	45	3%
Heterosexual Sex	23	15%	274	18%
Other	3	2%	50	3%
Total Undetermined	55	36%	344	22%
Presumed Heterosexual Sex ⁵	23	15%	154	10%
Undetermined ⁶	32	21%	190	12%
Age:	N	%	N	%
	At Diagr	nosis		ber 31, 2010
Under 13	3	2%	4	<1%
13 to 19	3	2%	19	1%
20 to 24	16	10%	37	2%
25 to 29	13	8%	45	3%
30 to 34	22	14%	79	5%
35 to 39	23	15%	168	11%
40 to 44	26	17%	242	16%
45 to 49	21	14%	363	24%
50 to 54	14	9%	285	19%
55 to 59	6	4%	163	11%
60+	6	4%	130	8%
Total	153	100%	1,535	100%

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

³ Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

⁴Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

⁵ Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

Table 5. People diagnosed with HIV infection from 2007–2009¹ and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Metro West Health Service Region, Massachusetts²

	HIV Infection Diagnoses		PLWH/	A
Gender:	N	%	N	%
Male	224	72%	1,761	72%
Female	85	28%	694	28%
Place of Birth:	N	%	N	%
US	168	54%	1,532	62%
Puerto Rico/US Dependency ³	9	3%	81	3%
Non-US	132	43%	842	34%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	135	44%	1,245	51%
Black (non-Hispanic)	113	37%	832	34%
Hispanic/Latino	49	16%	313	13%
Other/Undetermined ⁴	12	4%	65	3%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	128	41%	963	39%
Injection Drug Use (IDU)	14	5%	323	13%
MSM/IDU `	12	4%	70	3%
Heterosexual Sex	39	13%	325	13%
Other	2	1%	65	3%
Total Undetermined	114	37%	709	29%
Presumed Heterosexual Sex ⁵	39	13%	257	10%
 Undetermined⁶ 	75	24%	452	18%
Age:	N	%	N	%
	At Diagnos	sis	On December 3	
Under 13	2	1%	10	<1%
13 to 19	6	2%	27	1%
20 to 24	32	10%	48	2%
25 to 29	34	11%	86	4%
30 to 34	47	15%	146	6%
35 to 39	40	13%	259	11%
40 to 44	49	16%	430	18%
45 to 49	41	13%	540	22%
50 to 54	21	7%	424	17%
55 to 59	14	5%	238	10%
60+	23	7%	247	10%
Total	309	100%	2,455	100%

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

³ Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

⁴Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

⁵ Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

Table 6. People diagnosed with HIV infection from 2007–2009¹ and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Northeast Health Service Region, Massachusetts²

	HIV Infection D	iagnoses	PLWH/A	A
Gender:	N	%	N	%
Male	192	65%	1,771	66%
Female	103	35%	900	34%
Place of Birth:	N	%	N	%
US	138	47%	1,518	57%
Puerto Rico/US Dependency ³	29	10%	388	15%
Non-US	128	43%	765	29%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	94	32%	1,188	44%
Black (non-Hispanic)	86	29%	605	23%
Hispanic/Latino	101	34%	789	30%
Other/Undetermined ⁴	14	5%	89	3%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	101	34%	812	30%
Injection Drug Use (IDU)	23	8%	528	20%
MSM/IDU `	6	2%	78	3%
Heterosexual Sex	37	13%	414	15%
Other	0	0%	67	3%
Total Undetermined	128	43%	772	29%
 Presumed Heterosexual Sex⁵ 	44	15%	293	11%
 Undetermined⁶ 	84	28%	479	18%
Age:	N	%	N	%
	At Diagno	sis	On December 3	
Under 13	0	0%	10	<1%
13 to 19	7	2%	34	1%
20 to 24	30	10%	48	2%
25 to 29	37	13%	94	4%
30 to 34	46	16%	172	6%
35 to 39	42	14%	268	10%
40 to 44	45	15%	506	19%
45 to 49	44	15%	597	22%
50 to 54	24	8%	470	18%
55 to 59	11	4%	234	9%
60+	9	3%	238	9%
Total	295	100%	2,671	100%

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

³ Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

⁴Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

⁵ Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

Table 7. People diagnosed with HIV infection from 2007–2009¹ and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Southeast Health Service Region, Massachusetts²

	HIV Infection Diag	noses	PLWH/A	
Gender:	N	%	N	%
Male	216	76%	1,714	71%
Female	67	24%	698	29%
Place of Birth:	N	%	N	%
US _	185	65%	1,851	77%
Puerto Rico/US Dependency ³	15	5%	148	6%
Non-US	83	29%	413	17%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	153	54%	1,508	63%
Black (non-Hispanic)	77	27%	514	21%
Hispanic/Latino	49	17%	361	15%
Other/Undetermined ⁴	4	1%	29	1%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	119	42%	926	38%
Injection Drug Use (IDU)	25	9%	544	23%
MSM/IDU	9	3%	74	3%
Heterosexual Sex	37	13%	354	15%
Other	0	0%	59	2%
Total Undetermined	93	33%	455	19%
 Presumed Heterosexual Sex⁵ 	30	11%	166	7%
Undetermined ⁶	63	22%	289	12%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2	
Under 13	0	0%	8	<1%
13 to 19	4	1%	21	1%
20 to 24	18	6%	35	1%
25 to 29	22	8%	61	3%
30 to 34	31	11%	130	5%
35 to 39	36	13%	204	8%
40 to 44	52	18%	422	17%
45 to 49	58	20%	568	24%
50 to 54	36	13%	466	19%
55 to 59	18	6%	280	12%
60+	8	3%	217	9%
Total 1 Reflects year of HIV infection diagnosis a	283	100%	2,412	100%

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

³ Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

⁴Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

⁵ Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

Table 8. People diagnosed with HIV infection from 2007–2009¹ and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Western Health Service Region, Massachusetts²

	HIV Infection Diag	noses	PLWH/A	
Gender:	N	%	N	%
Male	134	72%	1,232	62%
Female	52	28%	746	38%
Place of Birth:	N	%	N	%
US _	134	72%	1,368	69%
Puerto Rico/US Dependency ³	36	19%	504	25%
Non-US	16	9%	106	5%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	71	38%	612	31%
Black (non-Hispanic)	38	20%	383	19%
Hispanic/Latino _	73	39%	959	48%
Other/Undetermined ⁴	4	2%	24	1%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	74	40%	473	24%
Injection Drug Use (IDU)	24	13%	599	30%
MSM/IDU	2	1%	60	3%
Heterosexual Sex	22	12%	367	19%
Other	1	1%	63	3%
Total Undetermined	63	34%	416	21%
Presumed Heterosexual Sex ⁵	20	11%	174	9%
Undetermined ⁶	43	23%	242	12%
Age:	N	%	N	%
	At Diagnosis		On December 31,	
Under 13	1	1%	10	1%
13 to 19	7	4%	29	1%
20 to 24	8	4%	44	2%
25 to 29	28	15%	70	4%
30 to 34	16	9%	120	6%
35 to 39	31	17%	202	10%
40 to 44	23	12%	358	18%
45 to 49	35	19%	433	22%
50 to 54	16	9%	324	16%
55 to 59	12	6%	219	11%
60+	9	5%	169	9%
Total	186	100%	1,978	100%

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

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³ Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

⁴Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

⁵ Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

Table 9. People diagnosed with HIV infection from 2007–2009¹ and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: City of Boston, Massachusetts²

	HIV Infection Diag	IIV Infection Diagnoses		PLWH/A	
Gender:	N	%	N	%	
Male	408	80%	3,979	76%	
Female	103	20%	1,232	24%	
Place of Birth:	N	%	N	%	
US	352	69%	3,649	70%	
Puerto Rico/US Dependency ³	25	5%	320	6%	
Non-US	134	26%	1,242	24%	
Race/Ethnicity:	N	%	N	%	
White (non-Hispanic)	202	40%	2,116	41%	
Black (non-Hispanic)	207	41%	2,090	40%	
Hispanic/Latino _	91	18%	923	18%	
Other/Undetermined ⁴	11	2%	82	2%	
Exposure Mode:	N	%	N	%	
Male-to-male sex (MSM)	255	50%	2,467	47%	
Injection Drug Use (IDU)	39	8%	761	15%	
MSM/IDU	19	4%	176	3%	
Heterosexual Sex	49	10%	634	12%	
Other	4	1%	99	2%	
Total Undetermined	145	28%	1,074	21%	
 Presumed Heterosexual Sex⁵ 	39	8%	404	8%	
Undetermined ⁶	106	21%	670	13%	
Age:	N	%	N	%	
	At Diagnosis		On December 31		
Under 13	3	1%	13	<1%	
13 to 19	8	2%	40	1%	
20 to 24	52	10%	102	2%	
25 to 29	71	14%	179	3%	
30 to 34	63	12%	277	5%	
35 to 39	69	14%	483	9%	
40 to 44	75	15%	874	17%	
45 to 49	71	14%	1,148	22%	
50 to 54	50	10%	976	19%	
55 to 59	24	5%	626	12%	
60+	25	5%	493	9%	
Total 1 Reflects year of HIV infection diagnosis a	511	100%	5,211	100%	

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

³ Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

⁴ Other/I Indetermined includes Asian (Particular Islands).

Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity
 Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

Table 10. People diagnosed with HIV infection from 2007–2009¹ and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Brockton, Massachusetts²

	HIV Infection Dia	HIV Infection Diagnoses		PLWH/A	
Gender:	N	%	N	%	
Male	33	57%	240	59%	
Female	25	43%	167	41%	
Place of Birth:	N	%	N	%	
US	 ⁷	⁷	208	51%	
Puerto Rico/US Dependency ³	7	7	31	8%	
Non-US	39	67%	168	41%	
Race/Ethnicity:	N	%	N	%	
White (non-Hispanic)	7	7	102	25%	
Black (non-Hispanic)	45	78%	230	57%	
Hispanic/Latino	6 ⁷	10%	67	16%	
Other/Undetermined ⁴	'	 ⁷	8	2%	
Exposure Mode:	N	%	N	%	
Male-to-male sex (MSM)	7	12%	72	18%	
Injection Drug Use (IDU)	7	 ⁷	75 ⁷	18%	
MSM/IDU	0	0%		/	
Heterosexual Sex	12 ⁷	21%	75 ⁷	18%	
Other		7		7	
Total Undetermined	36	62%	169	42%	
Presumed Heterosexual Sex ⁵	11	19%	67	16%	
Undetermined ⁶	25	43%	102	25%	
Age:	N	%	N	%	
	At Diagnosis		On December	31, 2010	
Under 13	0 ⁷	0%	' 7	7	
13 to 19	'	⁷	7	7	
20 to 24	'	 ⁷	7	2%	
25 to 29	5	9%	12	3%	
30 to 34	5	9%	31	8%	
35 to 39		7	26	6%	
40 to 44	11	19%	72	18%	
45 to 49	10	17%	86	21%	
50 to 54	8	14%	75	18%	
55 to 59	8 ⁷	14%	59	14%	
60+		⁷	30	7%	
Total	58	100%	407	100%	

² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

³ Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto

Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity ⁵ Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

7 Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

Table 11. People diagnosed with HIV infection from 2007–2009¹ and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Cambridge, Massachusetts²

	HIV Infection Diag	noses	PLWH/A	
Gender:	N	%	N	%
Male	39	83%	313	76%
Female	8	17%	101	24%
Place of Birth:	N	%	N	%
US	⁷	7	259	63%
Puerto Rico/US Dependency ³	7	7	14	3%
Non-US	15	32%	141	34%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	21	45%	186	45%
Black (non-Hispanic)	18	38%	172	42%
Hispanic/Latino	7 -7	⁷	47	11%
Other/Undetermined ⁴	7	7	9	2%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	22	47%	183	44%
Injection Drug Use (IDU)	⁷	′	50	12%
MSM/IDU	 ⁷	⁷	13	3%
Heterosexual Sex	⁷	⁷	44	11%
Other	⁷	⁷	15	4%
Total Undetermined	⁷	⁷	109	26%
 Presumed Heterosexual Sex⁵ Undetermined⁶ 	⁻ 10	⁻ 21%	35 74	8% 18%
	N	%	N	%
Age:		70		
Linday 40	At Diagnosis	7	On December 31	, 2010 ⁷
Under 13 13 to 19		 0%	7	7
20 to 24	0	11%	7	2%
25 to 29	5 ⁷	1176 7	18	4%
30 to 34		19%	18	4%
35 to 39	9 ⁷	1976 	42	10%
40 to 44	5	11%	61	15%
45 to 49	6	13%	85	21%
50 to 54	6	13%	74	18%
55 to 59	⁷	7	48	12%
60+	6	13%	54	13%
Total	47	100%	414	100%

² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being

³ Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity ⁵ Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have

died with no determined risk, and those lost to follow-up.

7 Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality. Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

Table 12. People diagnosed with HIV infection from 2007–2009¹ and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Fall River, Massachusetts²

	HIV Infection Dia	HIV Infection Diagnoses		PLWH/A	
Gender:	N	%	N	%	
Male	25	83%	140	63%	
Female	5	17%	84	38%	
Place of Birth:	N	%	N	%	
US _	17	57%	172	77%	
Puerto Rico/US Dependency ³		7	22	10%	
Non-US	7	7	30	13%	
Race/Ethnicity:	N	%	N	%	
White (non-Hispanic)	18	60%	135	60%	
Black (non-Hispanic)	7	7	39	17%	
Hispanic/Latino	8 ⁷	27%	47	21%	
Other/Undetermined ⁴		7	_ - _7	7	
Exposure Mode:	N	%	N	%	
Male-to-male sex (MSM)	7	23%	49	22%	
Injection Drug Use (IDU)	5 7	17%	81	36%	
MSM/IDU		7	10	4%	
Heterosexual Sex	6	20%	41	18%	
Other	0	0%	10	4%	
Total Undetermined	 ⁷	7 7	33	15%	
Presumed Heterosexual Sex ⁵	⁷	⁷	12	5%	
Undetermined ⁶	10	33%	21	9%	
Age:	N	%	N	%	
	At Diagnosis	6	On December 3	1, 2010	
Under 13	0	0%	[']		
13 to 19	0	0%		7	
20 to 24	 '	'	 ⁷	7	
25 to 29	[']	⁷	7	3%	
30 to 34	7	7	12	5%	
35 to 39	6 ⁷	20%	20	9%	
40 to 44		⁷	45	20%	
45 to 49	6	20%	55	25%	
50 to 54	 ′	'	46	21%	
55 to 59	⁷ ⁷	'	19	8%	
60+		⁷	11	5%	
Total	30	100%	224	100%	

² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto

Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity ⁵ Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have

died with no determined risk, and those lost to follow-up.

7 Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality. Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

Table 13. People diagnosed with HIV infection from 2007–2009 and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Framingham, Massachusetts²

	HIV Infection Dia	agnoses	PLWH/A	A
Gender:	N	%	N	%
Male	20	67%	114	57%
Female	10	33%	87	43%
Place of Birth:	N	%	N	%
US _	7	7	97	48%
Puerto Rico/US Dependency ³	7	7	21	10%
Non-US	23	77%	83	41%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)		7	7	7
Black (non-Hispanic)	13	43%	63	31%
Hispanic/Latino	11	37%	67	33%
Other/Undetermined ⁴	7	⁷	7	'
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	6	20%	43	21%
Injection Drug Use (IDU)	0	0%	53 ⁷	26%
MSM/IDU	 ⁷	'		'
Heterosexual Sex	 ⁷	 ⁷	31	15%
Other	0	0%	7	'
Total Undetermined	19	63%	67	33%
 Presumed Heterosexual Sex⁵ Undetermined⁶ 	8 11	27% 37%	34 33	17% 16%
	N	%		%
Age:				
Hadan 40	At Diagnosi	S	On December 3	
Under 13	0	0%	0 ⁷	0% 7
13 to 19	0 7	0% 7	 ⁷	
20 to 24	 7	7	 7	
25 to 29 30 to 34	7	23%	13	3% 6%
35 to 39	1 7	23% 7	24	12%
40 to 44	7	7	43	21%
45 to 49	7	23%	43	20%
50 to 54		2070 7	34	17%
55 to 59	7	7	20	10%
60+	7	7	14	7%
Total	30	100%	201	100%
Deflects wear of LIIV infection diamensis	H 1 P 1 P 1	1 20 100 70		

² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto

Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity ⁵ Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have

died with no determined risk, and those lost to follow-up.

7 Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality. Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

Table 14. People diagnosed with HIV infection from 2007–2009¹ and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Holyoke, Massachusetts²

	HIV Infection Dia	gnoses	PLWH/A	\
Gender:	N	%	N	%
Male	13	57%	168	56%
Female	10	43%	133	44%
Place of Birth:	N	%	N	%
US	9	39%	140	47%
Puerto Rico/US Dependency ³	14	61%	154	51%
Non-US	0	0%	7	2%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	5	22%	55	18%
Black (non-Hispanic)	0	0%	7	7
Hispanic/Latino _	18	78%	231	77%
Other/Undetermined ⁴	0	0%	7	'
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	7	7	35	12%
Injection Drug Use (IDU)	7	30%	118	39%
MSM/IDU	Q	0%	7	2%
Heterosexual Sex	7	 ⁷	74	25%
Other	0 7	0%	14	5%
Total Undetermined	' ⁷	⁷	53	18%
 Presumed Heterosexual Sex⁵ Undetermined⁶ 	· 8	⁻ 35%	20 33	7% 11%
	<u>°</u> N	%		%
Age:				
Under 13	At Diagnosis	0%	On December 3 ⁻⁷	1, 2010 ⁷
13 to 19	0	0%	7	7
20 to 24	7 7	0 /6 ⁷	7	2%
25 to 29	7	7	13	4%
30 to 34		22%	21	7%
35 to 39	5 ⁷	22 70	34	11%
40 to 44	7	7	60	20%
45 to 49	7	7	70	23%
50 to 54	7	7	49	16%
55 to 59	7	7	19	6%
60+	7	7	21	7%
Total	23	100%	301	100%

² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being

³ Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity ⁵ Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have

died with no determined risk, and those lost to follow-up.

7 Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality. Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

Table 15. People diagnosed with HIV infection from 2007–2009 and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Lawrence, Massachusetts²

	HIV Infection Di	agnoses	PLWH/	Ά
Gender:	N	%	N	%
Male	28	55%	224	56%
Female	23	45%	177	44%
Place of Birth:	N	%	N	%
US _	15	29%	121	30%
Puerto Rico/US Dependency ³	17	33%	172	43%
Non-US	19	37%	108	27%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	5 ⁷	10%	46	11%
Black (non-Hispanic)		 ⁷	7	'
Hispanic/Latino	43 ⁷	84%	328	82%
Other/Undetermined ⁴	'	'	7	'
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	5	10%	35	9%
Injection Drug Use (IDU)	7	14%	107	27%
MSM/IDU	0	0%	5	1%
Heterosexual Sex	9	18%	99	25%
Other	0	0%	14	3%
Total Undetermined	30	59%	141	35%
Presumed Heterosexual Sex ⁵	7	14%	46	11%
Undetermined ⁶	23	45%	95	24%
Age:	N	%	N	%
	At Diagnos	sis	On December 3	31, 2010
Under 13	0 ⁷	0%	 '	
13 to 19		⁷	7	7
20 to 24	 ⁷	7	9	2%
25 to 29	7	14%	25	6%
30 to 34	10	20%	28	7%
35 to 39	⁷	'	40	10%
40 to 44	11	22%	75	19%
45 to 49	7	7	82	20%
50 to 54	6	12%	59	15%
55 to 59	<i>'</i>	′	35	9%
60+	7	7	39	10%
Total	51	100%	401	100%

² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being

³ Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity ⁵ Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have

died with no determined risk, and those lost to follow-up.

7 Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality. Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

Table 16. People diagnosed with HIV infection from 2007–2009¹ and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Lowell, Massachusetts²

	HIV Infection Diag	noses	PLWH/A	
Gender:	N	%	N	%
Male	24	53%	282	59%
Female	21	47%	196	41%
Place of Birth:	N	%	N	%
US _	13	29%	188	39%
Puerto Rico/US Dependency ³	7	16%	115	24%
Non-US	25	56%	175	37%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	6	13%	120	25%
Black (non-Hispanic)	18	40%	145	30%
Hispanic/Latino _	13	29%	174	36%
Other/Undetermined ⁴	8	18%	39	8%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	10	22%	70	15%
Injection Drug Use (IDU)	5 ⁷	11%	134	28%
MSM/IDU		 ⁷	11	2%
Heterosexual Sex	7	7	94	20%
Other	0	0%	16	3%
Total Undetermined	25	56%	153	32%
Presumed Heterosexual Sex ⁵	9	20%	60	13%
Undetermined ⁶	16	36%	93	19%
Age:	N	%	N	%
	At Diagnosis		On December 31,	2010
Under 13	0 7	0%	' 7	7
13 to 19	 ′	 ′	 ⁷	7
20 to 24	'	 ⁷	12	3%
25 to 29	0	0%	10	2%
30 to 34	10	22%	31	6%
35 to 39	14	31%	65	14%
40 to 44	9	20%	107	22%
45 to 49	 ' 7	' 7	99	21%
50 to 54		' ₇	73	15%
55 to 59	 ⁷	7	34	7%
60+	0	0%	36	8%
Total	45	100%	478	100%

² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being

³ Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity ⁵ Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have

died with no determined risk, and those lost to follow-up.

7 Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality. Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

Table 17. People diagnosed with HIV infection from 2007–2009 and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Lynn, Massachusetts²

	HIV Infection Dia	gnoses	PLWH/A	A
Gender:	N	%	N	%
Male	24	63%	227	60%
Female	14	37%	153	40%
Place of Birth:	N	%	N	%
US	19 ⁷	50%	208	55%
Puerto Rico/US Dependency ³		7	40	11%
Non-US	7	7	132	35%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	 ⁷	7	134	35%
Black (non-Hispanic)	12	32%	132	35%
Hispanic/Latino	17	45%	100	26%
Other/Undetermined ⁴	7	⁷	14	4%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	12 ⁷	32%	95	25%
Injection Drug Use (IDU)	'	'	76	20%
MSM/IDU	7	7	9	2%
Heterosexual Sex	5	13%	53	14%
Other	0	0%	6	2%
Total Undetermined	18	47%	141	37%
Presumed Heterosexual Sex ⁵	6	16%	66	17%
Undetermined ⁶	12	32%	75	20%
Age:	N	%	N	%
	At Diagnosis	S	On December 3	1, 2010
Under 13	0 ⁷	0%	<i>'</i> ⁷	7
13 to 19		 ⁷		7
20 to 24	5	13%	8	2%
25 to 29	6	16%	11	3%
30 to 34	7	18%	29	8%
35 to 39	' 7	⁷	31	8%
40 to 44	 ′	7	71	19%
45 to 49	6	16%	85	22%
50 to 54	' ⁷	 ′	72	19%
55 to 59	' ⁷	′	28	7%
60+		7	38	10%
Total	38	100%	380	100%

² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

³ Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto

Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity ⁵ Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have

died with no determined risk, and those lost to follow-up.

7 Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality. Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

Table 18. People diagnosed with HIV infection from 2007–2009 and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Malden, Massachusetts²

	HIV Infection Diag	noses	PLWH/A	1
Gender:	N	%	N	%
Male	22	73%	163	67%
Female	8	27%	79	33%
Place of Birth:	N	%	N	%
US	 ⁷	 ⁷	122	50%
Puerto Rico/US Dependency ³	7	7	7	3%
Non-US	19	63%	113	47%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	7	23%	94	39%
Black (non-Hispanic)	18	60%	116	48%
Hispanic/Latino	⁷	⁷	22	9%
Other/Undetermined ⁴	7	⁷	10	4%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	14	47%	95	39%
Injection Drug Use (IDU)	0	0%	23 ⁷	10%
MSM/IDU	0 7	0%		'
Heterosexual Sex		⁷	29 ⁷	12%
Other	7	7		'
Total Undetermined	12	40%	85	35%
 Presumed Heterosexual Sex⁵ Undetermined⁶ 	5 7	17% 23%	37 48	15% 20%
	N	<u> </u>	N	20%
Age:		/0		
Under 13	At Diagnosis	0%	On December 3 ⁷	1, 2010 ⁷
13 to 19	0 ⁷	7 ⁷	7	7
20 to 24	 - 7	7	 -7	7
25 to 29	7	7	15	6%
30 to 34	7	7	14	6%
35 to 39	7	7	24	10%
40 to 44	7	7	42	17%
45 to 49	7	7	62	26%
50 to 54	5	17%	39	16%
55 to 59	⁷	7	20	8%
60+	7	7	21	9%
Total	30	100%	242	100%

² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being

³ Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity ⁵ Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have

died with no determined risk, and those lost to follow-up.

7 Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality. Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

Table 19. People diagnosed with HIV infection from 2007–2009¹ and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: New Bedford, Massachusetts²

	HIV Infection Dia	ignoses	PLWH/	4
Gender:	N	%	N	%
Male	22	54%	261	57%
Female	19	46%	200	43%
Place of Birth:	N	%	N	%
US	28	68%	344	75%
Puerto Rico/US Dependency ³	7	17%	65	14%
Non-US	6	15%	52	11%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	18	44%	224	49%
Black (non-Hispanic)	12	29%	7	'
Hispanic/Latino ,	11	27%	129	28%
Other/Undetermined ⁴	0	0%	7	'
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	7	17%	66	14%
Injection Drug Use (IDU)	12	29%	196	43%
MSM/IDU	0	0%	8	2%
Heterosexual Sex	9	22%	116	25%
Other	0	0%	6	1%
Total Undetermined	13	32%	69	15%
Presumed Heterosexual Sex ⁵	7	17%	28	6%
Undetermined ⁶	6	15%	41	9%
Age:	N	%	N	%
	At Diagnosis	S	On December 3	1, 2010
Under 13	0 ⁷	0%	' ⁷	7
13 to 19	' 7	⁷		7
20 to 24	' ⁷	⁷	8	2%
25 to 29		7	11	2%
30 to 34	7	17%	26	6%
35 to 39		7	37	8%
40 to 44	7	17%	85	18%
45 to 49	11	27 %	99	21%
50 to 54	 '	' 7	92	20%
55 to 59		⁷	60	13%
60+	0	0%	40	9%
Total	41	100%	461	100%

² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being

³ Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity ⁵ Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have

died with no determined risk, and those lost to follow-up.

7 Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality. Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

Table 20. People diagnosed with HIV infection from 2007–2009¹ and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Provincetown, Massachusetts²

	HIV Infection Diag	noses	PLWH/A	
Gender:	N	%	N	%
Male	36	100%	314	98%
Female	0	0%	8	2%
Place of Birth:	N	%	N	%
US _	35	97%	290	90%
Puerto Rico/US Dependency ³	⁷	7	7	7
Non-US	7	7	7	7
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	34	94%	295	92%
Black (non-Hispanic)	0	0%	7	7
Hispanic/Latino	'	'	17	5%
Other/Undetermined ⁴	7	7	7	'
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	33	92%	289	90%
Injection Drug Use (IDU)	Q	0%	5	2%
MSM/IDU	7	'	15	5%
Heterosexual Sex	0	0%	⁷	7
Other	0	0%	0 ⁷	0%
Total Undetermined	'	7	' ⁷	⁷
 Presumed Heterosexual Sex⁵ Undetermined⁶ 	0 7	0%	⁻ 7	2%
	N	%	N	<u> </u>
Age:		%		
Hadar 40	At Diagnosis	00/	On December 31, 2	
Under 13	0	0%	0	0%
13 to 19	0	0%	0 7	0%
20 to 24 25 to 29	0	0% 0%	7	7
30 to 34	5	14%	 11	3%
35 to 39	6	17%	22	7%
40 to 44	11	31%	60	19%
45 to 49	7	19%	93	29%
50 to 54	5	14%	58	18%
55 to 59		7	43	13%
60+	7	7	32	10%
Total	36	100%	322	100%
¹ Poffects year of HIV infection diagnosis				

² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being

³ Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity ⁵ Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have

died with no determined risk, and those lost to follow-up.

7 Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality. Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

Table 21. People diagnosed with HIV infection from 2007–2009¹ and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Quincy, Massachusetts²

	HIV Infection Diag	noses	PLWH/A	
Gender:	N	%	N	%
Male	15	68%	162	77%
Female	7	32%	48	23%
Place of Birth:	N	%	N	%
US	11	50%	155	74%
Puerto Rico/US Dependency ³	0	0%	10	5%
Non-US	11	50%	45	21%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	8	36%	112	53%
Black (non-Hispanic)	11	50%	58	28%
Hispanic/Latino ,	'	'	27	13%
Other/Undetermined ⁴	 ⁷	7	13	6%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	7	32%	80	38%
Injection Drug Use (IDU)	 ⁷	 ⁷	48	23%
MSM/IDU	Q	0%	 ⁷	7
Heterosexual Sex	7	 ⁷	27	13%
Other	0 7	0%	 ⁷	'
Total Undetermined		<i>'</i>	42	20%
Presumed Heterosexual Sex ⁵ Head a target in a tiff	7	⁷	9	4%
Undetermined ⁶	7	32%	33	16%
Age:	N	%	N	%
	At Diagnosis		On December 31,	2010
Under 13	0	0%	⁷	⁷
13 to 19	0	0%	' 7	 ′
20 to 24	⁻ 7	⁻ ⁷	[·] 7	 ·
25 to 29	·		'	
30 to 34	5	23%	13	6%
35 to 39	7	7	23	11%
40 to 44	⁻ ⁷	7	37	18%
45 to 49			55 27	26%
50 to 54	0	0%	37	18%
55 to 59	0	0%	19	9%
60+	4 22	18%	16 210	8% 400%
Total 1 Perfects year of HIV infection diagnosis:		100%	210	100%

² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being

³ Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity ⁵ Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have

died with no determined risk, and those lost to follow-up.

7 Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality. Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

Table 22. People diagnosed with HIV infection from 2007–2009¹ and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Somerville, Massachusetts²

	HIV Infection Diag	noses	PLWH/A	
Gender:	N	%	N	%
Male	31	82%	241	74%
Female	7	18%	83	26%
Place of Birth:	N	%	N	%
US	18	47%	- 7	7
Puerto Rico/US Dependency ³	0	0%	7	7
Non-US	20	53%	145	45%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	17	45%	163	50%
Black (non-Hispanic)	7	⁷	102	31%
Hispanic/Latino _	10 ⁷	26%	49	15%
Other/Undetermined ⁴	⁷	7	10	3%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	20	53%	146	45%
Injection Drug Use (IDU)	0 ⁷	0%	27	8%
MSM/IDU	 ⁷	 ⁷	10	3%
Heterosexual Sex	 ⁷	7	31	10%
Other	Ō	0%	11	3%
Total Undetermined	 ⁷	'	99	31%
Presumed Heterosexual Sex ⁵	 ⁷	7	43	13%
Undetermined ⁶	9	24%	56	17%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2	010
Under 13	0	0%	⁷	 ⁷
13 to 19	0	0%	7	7
20 to 24	6	16%	10	3%
25 to 29	5 ⁷	13%	12	4%
30 to 34		7	25	8%
35 to 39	7	18%	45	14%
40 to 44	⁷	21%	51	16%
45 to 49	' ₇	⁷	62	19%
50 to 54	 ′	'	55	17%
55 to 59	 ⁷	7	27	8%
60+	0	0%	32	10%
Total 1 Reflects year of HIV infection diagnosis a	38	100%	324	100%

² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being

³ Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity ⁵ Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have

died with no determined risk, and those lost to follow-up.

7 Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality. Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

Table 23. People diagnosed with HIV infection from 2007–2009¹ and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Springfield, Massachusetts²

	HIV Infection Diag	noses	PLWH/	' A
Gender:	N	%	N	%
Male	55	72%	607	59%
Female	21	28%	419	41%
Place of Birth:	N	%	N	%
US _	49	64%	693	68%
Puerto Rico/US Dependency ³	18	24%	278	27%
Non-US	9	12%	55	5%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	 ⁷	7	166	16%
Black (non-Hispanic)	24	32%	284	28%
Hispanic/Latino ,	39 ⁷	51%	566	55%
Other/Undetermined ⁴	'	7	10	1%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	26	34%	191	19%
Injection Drug Use (IDU)	12 ⁷	16%	337	33%
MSM/IDU		7	32	3%
Heterosexual Sex	8 ⁷	11%	197	19%
Other		 ⁷	33	3%
Total Undetermined	29	38%	236	23%
Presumed Heterosexual Sex ⁵	10	13%	110	11%
Undetermined ⁶	19	25%	126	12%
Age:	N	%	N	%
	At Diagnosis	7	On December :	
Under 13	7 7	⁷	6	1%
13 to 19	 7	⁷	14	1%
20 to 24	 ⁷	 ⁷	24	2%
25 to 29	16	21%	31	3%
30 to 34	8	11%	62	6%
35 to 39	9	12%	113	11%
40 to 44	6	8%	177	17%
45 to 49	16	21%	227	22%
50 to 54	9	12%	168	16%
55 to 59		′	122	12%
60+	⁷	7	82	8%
Total	76	100%	1,026	100%

² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being

³ Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity ⁵ Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have

died with no determined risk, and those lost to follow-up.

7 Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality. Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

Table 24. People diagnosed with HIV infection from 2007–2009¹ and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Waltham, Massachusetts²

	HIV Infection Diag	noses	PLWH/	4
Gender:	N	%	N	%
Male	19	68%	117	60%
Female	9	32%	79	40%
Place of Birth:	N	%	N	%
US	12	43%	7	7
Puerto Rico/US Dependency ³	0	0%	7	7
Non-US	16	57%	130	66%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	7	25%	43	22%
Black (non-Hispanic)	16	57%	130	66%
Hispanic/Latino	<i>'</i>	′	16	8%
Other/Undetermined ⁴	7	7	7	4%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	10	36%	42	21%
Injection Drug Use (IDU)	0 7	0%_	⁷	4%
MSM/IDU		7		'
Heterosexual Sex	6 7	21%	47	24%
Other		7	 ⁷	'
Total Undetermined	 ⁷	 ⁷	91	46%
Presumed Heterosexual Sex ⁵ Hedatassis at 16	7	7	34	17%
Undetermined ⁶	6	21%	57	29%
Age:	N	%	N	%
	At Diagnosis	7	On December 3	1, 2010
Under 13	7	7	' 7	7
13 to 19	0	0%	 ' 7	7 7
20 to 24	5	18%		
25 to 29	6	21%	14	7%
30 to 34	' 7	' 7	8	4%
35 to 39	'	7	24	12%
40 to 44	6 7	21%	45	23%
45 to 49		7	46	23%
50 to 54	0	0%	25	13%
55 to 59	' ⁷	' 7	12	6%
60+			15	8%
Total	28	100%	196	100%

² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being

³ Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity ⁵ Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have

died with no determined risk, and those lost to follow-up.

7 Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality. Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

Table 25. People diagnosed with HIV infection from 2007–2009¹ and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Worcester, Massachusetts²

	HIV Infection Diagnoses		PLWH/A	
Gender:	N	%	N	%
Male	53	59%	536	58%
Female	37	41%	381	42%
Place of Birth:	N	%	N	%
US	39	43%	494	54%
Puerto Rico/US Dependency ³	13	14%	216	24%
Non-US	38	42%	207	23%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	24	27%	296	32%
Black (non-Hispanic)	39	43%	261	28%
Hispanic/Latino ,	23 ⁷	26%	343	37%
Other/Undetermined ⁴	'	7	17	2%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	22	24%	160	17%
Injection Drug Use (IDU)	14	16%	309	34%
MSM/IDU		7	34	4%
Heterosexual Sex	11	12%	179	20%
Other	 ⁷	 ⁷	20	2%
Total Undetermined	40	44%	215	23%
Presumed Heterosexual Sex ⁵	17	19%	104	11%
Undetermined ⁶	23	26%	111	12%
Age:	N	%	N	%
	At Diagnosis	7	On December 31, 2010	
Under 13	7 7	⁷	' ⁷	' 7
13 to 19		7		7
20 to 24	7	8%	24	3%
25 to 29	8	9%	25	3%
30 to 34	14	16%	49	5%
35 to 39	19	21%	99	11%
40 to 44	11	12%	153	17%
45 to 49	13	14%	210	23%
50 to 54	9	10%	178	19%
55 to 59	' ⁷	' ⁷	95	10%
60+			77	8%
Total	90	100%	917	100%

² Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being

³ Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity ⁵ Includes female sex with male of unknown HIV status or risk. This category is limited to females.

⁶ Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have

died with no determined risk, and those lost to follow-up.

7 Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality. Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11